

WHAT IS CLAIMED IS:

1 1. A high temperature resistant seal structure, provided in a
2 casing into which a high temperature fluid is supplied, comprising a
3 shaft through hole portion into which a shaft to be driven in an axial
4 direction of said shaft is inserted passing through said shaft through
5 hole portion, wherein a liner, made of graphite, comprising a cavity
6 formed therein and slidable holes provided at both end portions of said
7 cavity is provided being inserted into said shaft through hole portion so
8 that said shaft slidably passes through said slidable holes with a seal
9 state being maintained between said shaft and said liner and a relief hole
10 is provided being bored in a lateral direction relative to the axial direction
11 of said shaft so that said cavity and the outside of said casing
12 communicate with each other.

1 2. A valve comprising the high temperature resistant seal
2 structure as claimed in Claim 1, wherein said shaft is a drive rod of a
3 valve plug of said valve and an actuator driving said drive rod in the axial
4 direction of said shaft is connected to an end, projecting outside of said
5 valve, of said drive rod.

1 3. An aerospace craft side thruster comprising the valve as
2 Claim 2 as a thruster valve.